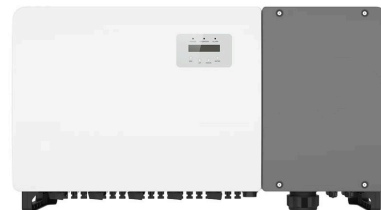


INVERTERS

G6-GC(80-150)K

String inverter · Three-phase · 80 – 150 kW · 7 models


80 – 150 kW

RATED POWER

Three-phase

PHASE

6

MPPT TRACKERS

98.7 %

MAX. EFFICIENCY

Parameter	Unit	G6-GC80K	G6-GC100K	G6-GC110K	G6-GC110K-BHV	G6-GC125K-HV	G6-GC136K-BHV	G6-GC150K-BHV
PV input								
Max. PV input voltage	V	1100						
Rated PV input voltage	V	600			785	720	785	
Start-up voltage	V	180						
MPPT voltage range	V	160 – 1000						
Number of MPPT trackers		6	8			10		
Max. number of input strings		12	16			20		
PV strings per MPPT		2						
Max. input current per MPPT	A	42						
Max. input current per MPPT tracker (tracker by tracker)	A	42 / 36 / 42 / 36 / 42 / 36	42 / 36 / 42 / 36 / 42 / 36 / 42 / 36			42 / 36 / 42 / 36 / 42 / 36 / 42 / 36 / 42 / 36		
Max. short-circuit current per MPPT	A	50						
AC output								
Rated output power	W	80000	100000	110000		125000	136000	150000
Max. apparent power	VA	88000	110000	121000		137500	149500	165000
Max. active power	W	88000	110000	121000		137500	149500	165000
Rated AC voltage	V	380			540	500	540	
Grid connection type and rated line voltage	V	3/N/PE, 220/380			3/PE, 540	3/PE, 500	3/PE, 540	
Phase		Three-phase						
Rated AC frequency	Hz	50						
Rated AC output current	A	121.6	152	167.1	117.6	144.3	145.4	160.4
Max. AC output current	A	133.7	167.1	183.8	129.4	158.8	159.8	176.4
Power factor		> 0.99 (0.8 leading to 0.8 lagging)						

Parameter	Unit	G6-GC80K	G6-GC100K	G6-GC110K	G6-GC110K-BHV	G6-GC125K-HV	G6-GC136K-BHV	G6-GC150K-BHV
Total harmonic distortion (THDi)	%	<3						
Efficiency								
Max. efficiency	%	98.7						
China efficiency	%	98.1						
Protection								
Protection functions		DC reverse polarity protection; AC short-circuit protection; AC output overcurrent protection; Grid monitoring; Anti-islanding protection; Temperature protection; String monitoring; I-V curve scanning; Night-time SVG function; Integrated DC switch; PID recovery (optional); DC arc fault protection (AFCL, optional); Master-slave anti-backflow (fewer than 10 units, optional)						
Surge protection		DC Type II / AC Type II						
General data								
Dimensions (W x H x D)	mm	1014 × 567 × 345						
Weight	kg	90	93			96		
Topology		Transformerless						
Night-time power consumption	W	<2						
Operating temperature range	°C	-30 – 60						
Relative humidity	%	0 – 100						
Ingress protection (IP rating)		IP66						
Cooling		Smart air cooling						
Max. operating altitude	m	4000						
DC connection		MC4 connector						
AC connection		OT terminal (max. 240 mm²)						
Communication								
Display		LCD						
Communication interfaces		RS485; PLC (optional); Wi-Fi (optional); GPRS (optional)						
Independent RS485 ports		2						
Certifications								
Certifications and standards		IEC 62109-1/-2; IEC 61000-6-2/-4; NB/T 32004						
Grid codes		NB/T 32004						

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

E-mail lidreamtec@163.com
WhatsApp +86 133 5280 0772